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ADDENDUM NO. 2

Date: October 5, 2007

ITB No. 08-0202

Data Center Fire Suppression Upgrade for County Administration Building

This addendum is being issued to make the following changes, corrections, clarifications and additions to the bidding document. The information in this addendum modifies and changes the original bidding documents and takes precedence over the original documents. **Respondents shall acknowledge receipt of this addendum by completing this form and returning it with the response. Failure to acknowledge this addendum may preclude consideration of the bid proposal award.**

Add the following:

Item 1: Note the following changes to the plans as a result of the Pre-Bid Meeting. Changes noted on pages two (2) through (5) respectively.

Firm Name: _____ Date: _____

Signature: _____ Title: _____

Typed/Printed Name: _____

"Earning Community Confidence Through Excellence in Service"

DISTRICT ONE
JENNIFER HILL

DISTRICT TWO
ELAINE RENICK

DISTRICT THREE
DEBBIE STIVENDER

DISTRICT FOUR
LINDA STEWART

DISTRICT FIVE
WELTON G. CADWELL

KEY NOTES:

- ① NOZZLE BELOW RAISED FLOOR
- ② PROVIDE AUTOMATIC DAMPERS THROUGH ALL EXISTING WALL PENETRATIONS. VERIFY DUCT SIZES IN FIELD. DAMPERS SHALL BE CLOSED WHEN FIRE SUPPRESSION SYSTEM IS DISCHARGING.
- ③ EXISTING LIEBERT AHU TO REMAIN.
- ④ FIKE CLEAN AGENT STORAGE CONTAINER MODEL 70-156, 24" DIA 48" TALL, 350LB EMPTY.
- ⑤ COORDINATE NOZZLE LOCATION WITH EXISTING SWITCH RACK LOCATIONS.
- ⑥ EXISTING SPRINKLER HEADS ARE TO REMAIN IN PLACE.
- ⑦ EXISTING AHU TO REMAIN.

GENERAL NOTES:

1. COORDINATE ALL EQUIPMENT LOCATIONS TO PROVIDE ELECTRICAL CLEARANCE REQUIRED BY NEC.

8. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS RELATED TO REMOVING AND REPLACING ALL CEILINGS AS REQUIRED FOR THE MECHANICAL AND ELECTRICAL WORK ON THIS PROJECT. CEILING TILES ARE TO BE NON-POROUS VINYL COVERED OR EQUIVALENT. CEILING TILES ARE TO BE CLIPPED DOWN FOR BETTER GAS CONTAINMENT.
9. THE CONTRACTOR SHALL INCLUDE IN THE BID THE RELOCATION OF ANY EXISTING JUNCTION BOXES (OF ANY KIND) THAT WILL BE INACCESSIBLE DUE TO THE WORK IN THIS PROJECT.
10. PRIOR TO DEMOLITION, THE CONTRACTOR SHALL LOG ALL EXISTING EQUIPMENT AND TRACE ELECTRICAL, FIRE ALARM, AND CONTROL CIRCUITS THAT SERVE SUCH EQUIPMENT.
11. FIRE SUPPRESSION CONTROL PANEL SHALL BE CONNECTED TO THE NEAREST 20A CIRCUIT.
12. FIRE SUPPRESSION CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ALL AUTOMATIC DAMPERS. DAMPER POWER IS TO BE PROVIDED BY LAKE COUNTY FACILITIES PRIOR TO CONSTRUCTION.
13. FOR BETTER AGENT RETAINAGE EXISTING HOLES IN THE CORRIDOR WALL ARE TO BE PATCHED BY LAKE COUNTY FACILITIES PRIOR TO CONSTRUCTION. EXISTING VENTED LIGHT FIXTURES ARE TO BE REPLACED WITH UNVENTED FIXTURES BY LAKE COUNTY FACILITIES PRIOR TO CONSTRUCTION.

REVISION: ③ ADDENDUM #3



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CERT # EB-0007385

LAKE COUNTY
DATA CENTER-
FIRE SUPPRESSION

SHEET

M3.01R3

1 OF 1

DRAWN: I. R. R.

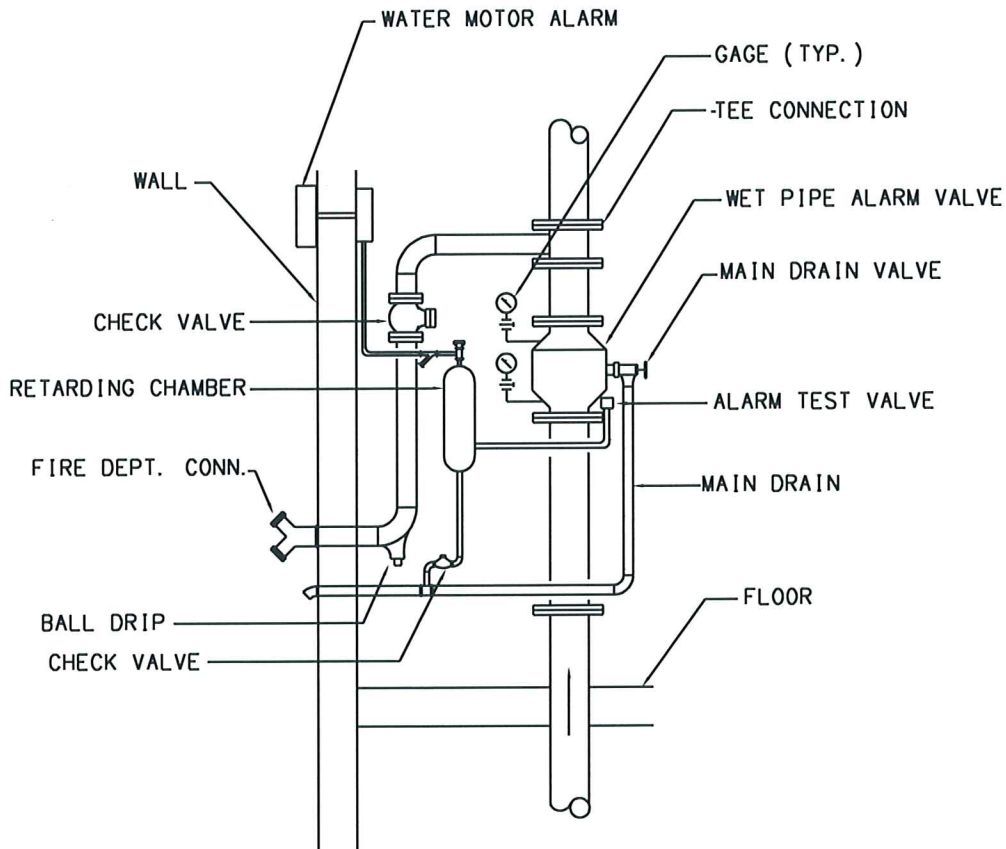
PE: BRIAN CUMMING

PE#: 38595

SCALE: N. T. S.

DATE: 10/04/07

JOB NO.: 06-035



NOTE: EXISTING SHOWN FOR REFERENCE PURPOSES ONLY.
EXISTING RISER LOCATION TO BE FIELD VERIFIED.

1 WET PIPE SPRINKLER RISER DETAIL

SCALE: NOT TO SCALE

15330-1

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REVISION: **3** ADDENDUM #3



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**LAKE COUNTY
DATA CENTER-
FIRE SUPPRESSION**

SHEET

M5.01R3

1 OF 1

DRAWN: I. R. R.

PE: BRIAN CUMMING

PE#: 38595

SCALE: N. T. S.

DATE: 10/04/07

JOB NO. : 06-035

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes clean-agent extinguishing systems.

1.2 SYSTEM DESCRIPTION

A. Clean-agent fire-extinguishing system shall be an engineered system for total flooding of the hazard area including the room cavity below the ceiling and below the raised floor. If smoke is detected above or below the floor, agent shall discharge both above and below the raised floor.

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E. System Operating Sequence: As follows:

1. Actuating First Detector: Visual indication on annunciator panel, energize audible alarm and visual alarms (slow pulse), shut down air-conditioning and ventilating system serving raised floor area, and send signal to fire alarm system.
2. Actuating Second Detector: Visual indication on annunciator panel, energize audible and visual alarms (fast pulse), shut down power to protected equipment, start time delay for extinguishing-agent delay for no more than 60 seconds, and discharge extinguishing agent.
3. Extinguishing-agent discharge will operate audible alarms and strobe lights inside and outside the protected area.

F. Manual stations shall immediately discharge extinguishing agent when activated.

G. Operating abort switches will delay extinguishing-agent discharge while being activated, and switches must be reset to prevent agent discharge. Release of hand pressure on the switch will cause agent discharge if the time delay has expired.

H. Low-Agent Pressure Switch: Initiate trouble alarm if sensing less than set pressure.

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REVISION:  ADDENDUM #3



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LAKE COUNTY
DATA CENTER-
FIRE SUPPRESSION

SHEET

M6.01R3A

1 OF 2

DRAWN: I. R. R.

PE: BRIAN CUMMING

PE#: 38595

SCALE: N. T. S.

DATE: 10/04/07

JOB NO. : 06-035

(Alt Bid #2 Contractor to provide line item deduct for all associated controls work.)

2.8 CONTROL PANELS

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- A. Description: FMG approved or NRTL listed, including equipment and features required for testing, supervising, and operating fire-extinguishing system.
- B. Power Requirements: 120/240-V ac; with electrical contacts for connection to system components and fire alarm system, and transformer or rectifier as needed to produce power at voltage required for accessories and alarm devices.
- C. Enclosure: NEMA ICS 6, Type 1, enameled-steel cabinet.
 - 1. Mounting: Surface.
- D. Supervised Circuits: Separate circuits for each independent hazard area.
 - 1. Detection circuits equal to the required number of zones, or addressable devices assigned to the required number of zones.
 - 2. Manual pull-station circuit.
 - 3. Alarm circuit.
 - 4. Release circuit.
 - 5. Abort circuit.

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- E. Provide the following control-panel features:

- 1. Electrical contacts for shutting down fans, activating dampers, and operating system electrical devices.
- 2. Automatic switchover to standby power at loss of primary power.
- 3. Storage container, low-pressure indicator.
- 4. Service disconnect to interrupt system operation for maintenance with visual status indication on the annunciator panel.
- 5. Ability to reset dampers once closed.

- F. Annunciator Panel: Addressable type with associated diagram showing protected, hazard-area plans and locations of detectors, abort, and manual stations. Include lamps to indicate device-initiating alarm, electrical contacts for connection to control panel, and stainless-steel or aluminum enclosure. Fire alarm system shall be connected to existing building annunciator.

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REVISION: 3 ADDENDUM #3



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LAKE COUNTY
 DATA CENTER-
 FIRE SUPPRESSION

SHEET

M6.01R3B

2 OF 2

DRAWN: I. R. R.

PE: BRIAN CUMMING

PE #: 38595

SCALE: N. T. S.

DATE: 10/04/07

JOB NO.: 06-035